

INTERNATIONAL SEARCH REPORT

International Application No
PCT/CH2004/000044

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F02B77/13 B60R13/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F02B B60R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 966 799 A (ROHRER PAUL ET AL) 30 October 1990 (1990-10-30)	1-3,5, 9-11
Y	column 2, line 37 -column 5, line 15; figures 1,3	4,6
X	US 5 567 922 A (SCHMUCK JEAN-CLAUDE ET AL) 22 October 1996 (1996-10-22)	1,2,5-11
Y	column 3, line 39 -column 5, line 37; figures 1,3-5	4,6
X	WO 97/48576 A (KWON HOE HYON ;DAEHAN CHEMICAL IND CO LTD (KR)) 24 December 1997 (1997-12-24)	1,2,5, 7-11
	page 3, line 1 -page 5, line 20; figure 3	
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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G document member of the same patent family

Date of the actual completion of the international search

27 April 2004

Date of mailing of the international search report

11/05/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PATENT ABSTRACTS OF JAPAN vol. 004, no. 154 (M-038), 28 October 1980 (1980-10-28) & JP 55 104528 A (ASAHI FIBER GLASS CO LTD), 11 August 1980 (1980-08-11) abstract; figures 1-4 -----</p>	1,2,8-11

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CH2004/000044

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4966799	A	30-10-1990	CH 671546 A5 AT 61283 T BR 8704956 A DE 3768401 D1 EP 0262092 A1 ES 2021392 T5 FI 874206 A JP 2788958 B2 JP 63102925 A MX 170771 B	15-09-1989 15-03-1991 17-05-1988 11-04-1991 30-03-1988 16-01-2000 27-03-1988 20-08-1998 07-05-1988 14-09-1993
US 5567922	A	22-10-1996	CH 684398 A5 US 5741390 A AT 116606 T DE 59201115 D1 EP 0511157 A1 ES 2067319 T3 JP 3291565 B2 JP 6171436 A	15-09-1994 21-04-1998 15-01-1995 16-02-1995 28-10-1992 16-03-1995 10-06-2002 21-06-1994
WO 9748576	A	24-12-1997	KR 235678 B1 WO 9748576 A1	15-12-1999 24-12-1997
JP 55104528	A	11-08-1980	NONE	